



Sequence Listing

<110> Huang, Qingshan  
Li, Guodong

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<141> 2005-03-02

<150> PCT/CN03/00522

<151> 2003-07-01

<150> CN 02136766.3

<151> 2002-09-02

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<170> PatentIn Version 2.1

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<223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>

<221> CHAIN

<222> (14,18)

<223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>

<221> CHAIN

<222> (15,19)

<223> Xaa=Lys or Arg

<400> 31

Arg	Trp	Arg	Ile	Gly	Lys	Lys	Ile	Val	Leu	Ala	Xaa	Xaa	Xaa	Xaa
				5				10						15
Xaa	Xaa	Xaa	Xaa											

<210> 32

<211> 23

<212> PRT

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<220>

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<222> (12,16,20)

<223> Xaa=Lys or Arg

<220>

<221> CHAIN

<222> (13,17,21)

<223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

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 <223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>  
 <221> CHAIN  
 <222> (15,19,23)  
 <223> Xaa=Lys or Arg

<400> 32  
 Arg Trp Arg Ile Gly Lys Lys Ile Val Leu Ala Xaa Xaa Xaa Xaa  
                   5                  10                  15  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
                   20

<210> 33  
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 <223> Xaa=Lys or Arg

<220>  
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 <223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>  
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 <222> (14,18)  
 <223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>  
 <221> CHAIN  
 <222> (15,19)  
 <223> Xaa=Lys or Arg

<400> 33  
 Lys Trp Arg Ile Gly Lys Lys Ile Val Leu Ala Xaa Xaa Xaa Xaa  
                   5                  10                  15  
 Xaa Xaa Xaa Xaa

<210> 34  
 <211> 23  
 <212> PRT  
 <213> Artificial Sequence

<220>  
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<220>  
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<223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

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<221> CHAIN

<222> (14,18,22)

<223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>

<221> CHAIN

<222> (15,19,23)

<223> Xaa=Lys or Arg

<400> 34

Lys	Trp	Arg	Ile	Gly	Lys	Lys	Ile	Val	Leu	Ala	Xaa	Xaa	Xaa	Xaa
				5					10					15
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa						
				20										

<210> 35

<211> 19

<212> PRT

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<220>

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<222> (12,16)

<223> Xaa=Lys or Arg

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<222> (13,17)

<223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

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<221> CHAIN

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<223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>

<221> CHAIN

<222> (15,19)

<223> Xaa=Lys or Arg

<400> 35

Lys	Trp	Lys	Ile	Gly	Lys	Lys	Ile	Val	Leu	Ala	Xaa	Xaa	Xaa	Xaa
				5					10					15
Xaa	Xaa	Xaa	Xaa											

<210> 36

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

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<222> (12,16,20)

<223> Xaa=Lys or Arg

<220>  
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<220>  
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 <223> Xaa=Lys or Arg

<400> 36  
 Lys Trp Lys Ile Gly Lys Lys Ile Val Leu Ala Xaa Xaa Xaa Xaa  
                   5                  10                  15  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
                   20

<210> 37  
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 <212> PRT  
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<220>  
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 <222> (15,19)  
 <223> Xaa=Lys or Arg

<400> 37  
 Arg Trp Arg Leu Phe Arg Arg Ile Gly Ile Gly Xaa Xaa Xaa Xaa  
                   5                  10                  15  
 Xaa Xaa Xaa Xaa

<210> 38  
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 <212> PRT  
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<220>  
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 <222> (12,16,20)



<220>  
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<220>  
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 <222> (14,18,22)  
 <223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>  
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 <222> (15,19,23)  
 <223> Xaa=Lys or Arg

<400> 40  
 Arg Trp Arg Leu Phe Lys Arg Ile Gly Ile Gly Xaa Xaa Xaa Xaa  
                   5                  10                  15  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
                   20

<210> 41  
 <211> 19  
 <212> PRT  
 <213> Artificial Sequence

<220>  
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<220>  
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 <222> (13,17)  
 <223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>  
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 <222> (14,18)  
 <223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>  
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 <222> (15,19)  
 <223> Xaa=Lys or Arg

<400> 41  
 Arg Trp Arg Leu Phe Lys Lys Ile Gly Ile Gly Xaa Xaa Xaa Xaa  
                   5                  10                  15  
 Xaa Xaa Xaa Xaa

<210> 42  
 <211> 23  
 <212> PRT

<213> Artificial Sequence

<220>

<221> CHAIN

<222> (12,16,20)

<223> Xaa=Lys or Arg

<220>

<221> CHAIN

<222> (13,17,21)

<223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>

<221> CHAIN

<222> (14,18,22)

<223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>

<221> CHAIN

<222> (15,19,23)

<223> Xaa=Lys or Arg

<400> 42

Arg	Trp	Arg	Leu	Phe	Lys	Lys	Ile	Gly	Ile	Gly	Xaa	Xaa	Xaa	Xaa
				5				10					15	
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa						
				20										

<210> 43

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

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<222> (12,16)

<223> Xaa=Lys or Arg

<220>

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<223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>

<221> CHAIN

<222> (14,18)

<223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>

<221> CHAIN

<222> (15,19)

<223> Xaa=Lys or Arg

<400> 43

Arg	Trp	Lys	Leu	Phe	Lys	Lys	Ile	Gly	Ile	Gly	Xaa	Xaa	Xaa	Xaa
				5				10					15	
Xaa	Xaa	Xaa	Xaa											

<210> 44

<211> 23  
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<220>  
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<220>  
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 <223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>  
 <221> CHAIN  
 <222> (14,18,22)  
 <223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>  
 <221> CHAIN  
 <222> (15,19,23)  
 <223> Xaa=Lys or Arg

<400> 44  
 Arg Trp Lys Leu Phe Lys Lys Ile Gly Ile Gly Xaa Xaa Xaa Xaa  
                   5                  10                  15  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
                   20

<210> 45  
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 <212> PRT  
 <213> Artificial Sequence

<220>  
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 <223> Xaa=Lys or Arg

<220>  
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 <222> (13,17)  
 <223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>  
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 <222> (14,18)  
 <223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>  
 <221> CHAIN  
 <222> (15,19)  
 <223> Xaa=Lys or Arg

<400> 45  
 Lys Trp Lys Leu Phe Lys Lys Ile Gly Ile Gly Xaa Xaa Xaa Xaa  
                   5                  10                  15  
 Xaa Xaa Xaa Xaa



<210> 46  
 <211> 23  
 <212> PRT  
 <213> Artificial Sequence

<220>  
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 <223> Xaa=Lys or Arg

<220>  
 <221> CHAIN  
 <222> (13,17,21)  
 <223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>  
 <221> CHAIN  
 <222> (14,18,22)  
 <223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>  
 <221> CHAIN  
 <222> (15,19,23)  
 <223> Xaa=Lys or Arg

<400> 46

Lys	Trp	Lys	Leu	Phe	Lys	Lys	Ile	Gly	Ile	Gly	Xaa	Xaa	Xaa	Xaa
				5					10				15	
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa						
				20										

<210> 47  
 <211> 19  
 <212> PRT  
 <213> Artificial Sequence

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 <223> Xaa=Lys or Arg

<220>  
 <221> CHAIN  
 <222> (13,17)  
 <223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>  
 <221> CHAIN  
 <222> (14,18)  
 <223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>  
 <221> CHAIN  
 <222> (15,19)  
 <223> Xaa=Lys or Arg

<400> 47

Arg Phe Arg Val Ile Arg Arg Ile Leu Val Gly Xaa Xaa Xaa Xaa  
                   5                  10                  15  
 Xaa Xaa Xaa Xaa

<210> 48  
 <211> 23  
 <212> PRT  
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<220>  
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<220>  
 <221> CHAIN  
 <222> (13,17,21)  
 <223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>  
 <221> CHAIN  
 <222> (14,18,22)  
 <223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>  
 <221> CHAIN  
 <222> (15,19,23)  
 <223> Xaa=Lys or Arg

<400> 48  
 Arg Phe Arg Val Ile Arg Arg Ile Leu Val Gly Xaa Xaa Xaa Xaa  
                   5                  10                  15  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
                   20

<210> 49  
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 <212> PRT  
 <213> Artificial Sequence

<220>  
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 <223> Xaa=Lys or Arg

<220>  
 <221> CHAIN  
 <222> (13,17)  
 <223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>  
 <221> CHAIN  
 <222> (14,18)  
 <223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>  
 <221> CHAIN  
 <222> (15,19)  
 <223> Xaa=Lys or Arg

<400> 49  
 Arg Phe Arg Val Ile Arg Lys Ile Leu Val Gly Xaa Xaa Xaa Xaa  
                   5                  10                  15  
 Xaa Xaa Xaa Xaa

<210> 50  
 <211> 23  
 <212> PRT  
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<220>  
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<220>  
 <221> CHAIN  
 <222> (13,17,21)  
 <223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>  
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 <222> (14,18,22)  
 <223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>  
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 <223> Xaa=Lys or Arg

<400> 50  
 Arg Phe Arg Val Ile Arg Lys Ile Leu Val Gly Xaa Xaa Xaa Xaa  
                   5                  10                  15  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
                   20

<210> 51  
 <211> 19  
 <212> PRT  
 <213> Artificial Sequence

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<220>  
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 <222> (13,17)  
 <223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>  
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 <223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>  
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<222> (15,19)  
 <223> Xaa=Lys or Arg

<400> 51  
 Arg Phe Arg Val Ile Lys Lys Ile Leu Val Gly Xaa Xaa Xaa Xaa  
                           5                          10                          15  
 Xaa Xaa Xaa Xaa

<210> 52  
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<220>  
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 <222> (13,17,21)  
 <223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>  
 <221> CHAIN  
 <222> (14,18,22)  
 <223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>  
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 <223> Xaa=Lys or Arg

<400> 52  
 Arg Phe Arg Val Ile Lys Lys Ile Leu Val Gly Xaa Xaa Xaa Xaa  
                           5                          10                          15  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
                           20

<210> 53  
 <211> 19  
 <212> PRT  
 <213> Artificial Sequence

<220>  
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 <223> Xaa=Lys or Arg

<220>  
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 <223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>  
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 <223> Xaa=Gly or Ala or Val or Leu or Ile or Phe

<220>  
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 <222> (15,19)  
 <223> Xaa=Lys or Arg

<400> 53  
 Lys Phe Lys Val Ile Lys Lys Ile Leu Val Gly Xaa Xaa Xaa Xaa  
                   5                  10                  15  
 Xaa Xaa Xaa Xaa

<210> 54  
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 <222> (14,18,22)  
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<220>  
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 <223> Xaa=Lys or Arg

<400> 54  
 Lys Phe Lys Val Ile Lys Lys Ile Leu Val Gly Xaa Xaa Xaa Xaa  
                   5                  10                  15  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
                   20